



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 15/05/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 15th May 2020 at 9:20 am for events created on CIDR up to midnight Wednesday 13th May 2020.

Characteristic	Number	%
Total number of confirmed cases	23,627	
Number of new cases since previous day	377	1.6
National incidence rate per 100,000 population	496.2	
Total number hospitalised	3,062	13.0
Total number admitted to ICU	387	1.6
Total number of deaths	1,264	5.3
National death rate per 100,000 population	26.5	
Total number of outbreaks/clusters	781	-
Total number cases associated with clusters	8,803	37.3
Total number of imported cases	361	1.5
Number of cases in Healthcare workers	7,427	31.4
Median age (years)	48	-
Age range (years)	0 - 106	-

Confirmed cases

In total 23,627 confirmed cases of COVID-19 were notified in Ireland **before midnight May 13th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

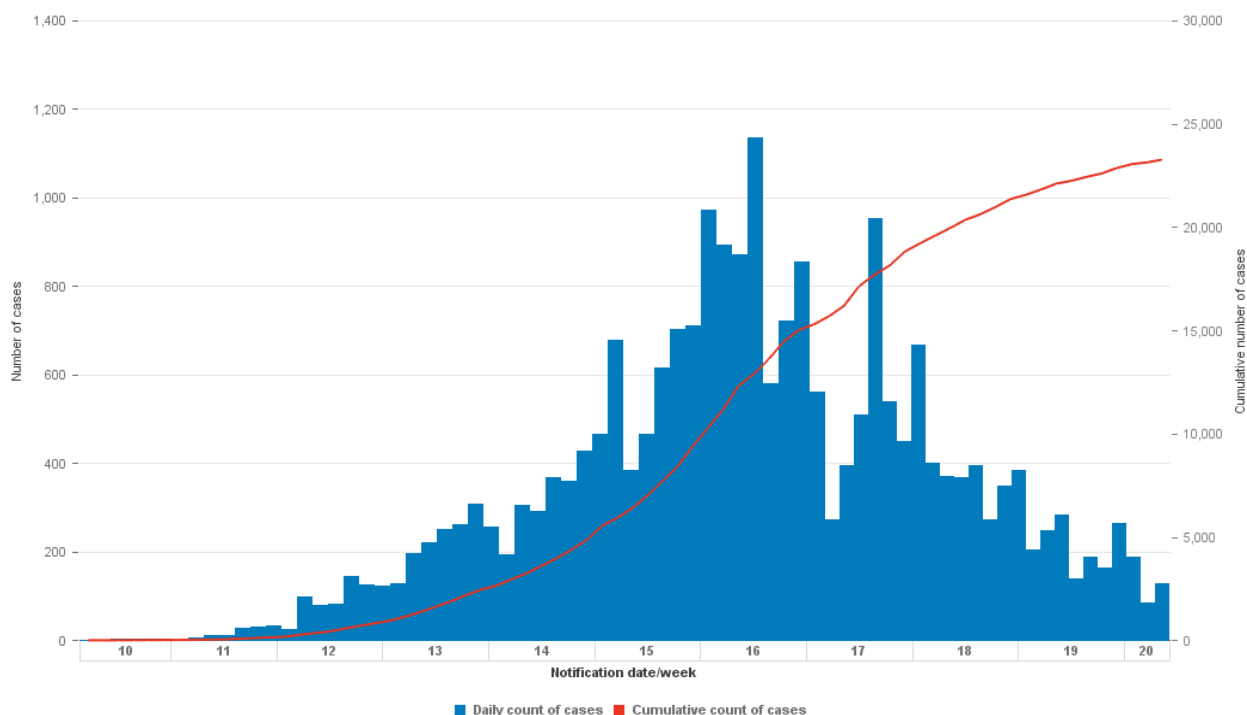


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight May 13th 2020.

Data source: CIDR as of 15/05/2020 9:20

Outbreaks/Clusters

There were 781 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 13th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 13th 2020, Ireland

Characteristic	Number of cases	%
Total	23,627	100
Sex		
Female	13559	57.4
Male	10019	42.4
Unknown	49	0.2
Age group (years)		
<1	43	0.2
1-4	85	0.4
5-14	266	1.1
15-24	1688	7.1
25-34	3936	16.7
35-44	4105	17.4
45-54	4276	18.1
55-64	3066	13.0
65-74	1703	7.2
75-84	2181	9.2
85+	2254	9.5
Unknown	24	0.1
HSE area		
HSE East	13561	57.4
HSE Midlands	1611	6.8
HSE Mid-West	1314	5.6
HSE North-East	2754	11.7
HSE North-West	678	2.9
HSE South-East	898	3.8
HSE South	1562	6.6
HSE West	1249	5.3

Data source: CIDR as of 15/05/2020 9:20

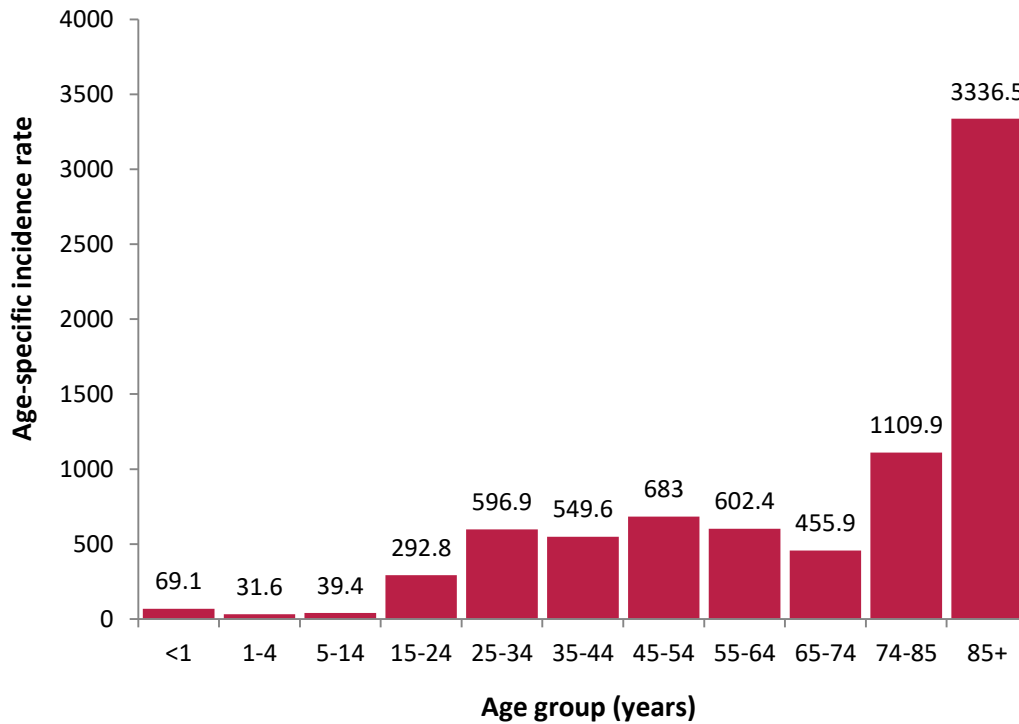
Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 13th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	19,081	80.8
Other than Ireland	361	1.5
Unknown	4185	17.7
Total	23,627	100

Data source: CIDR as of 15/05/2020 9:20

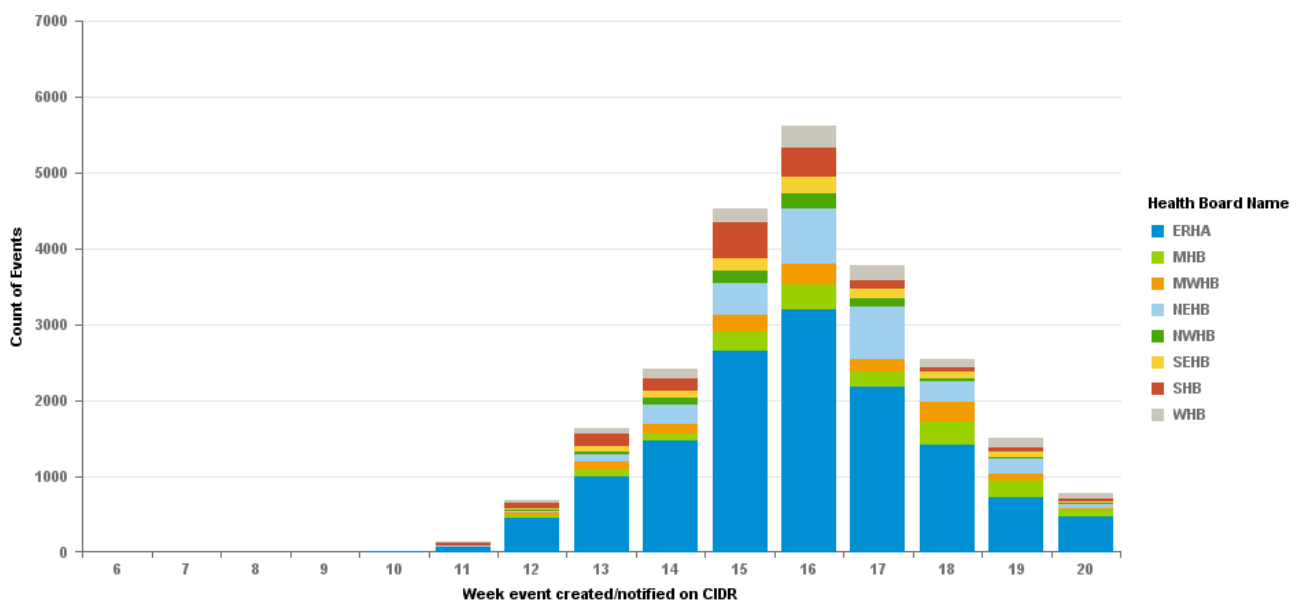
Note: Data are provisional

Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 13th 2020, Ireland



Data source: CIDR as of 15/05/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

Figure 3: Confirmed cases of COVID-19 notified to midnight May 13th 2020, by HSE Area and week of notification



Data source: CIDR as of 15/05/2020 9:20

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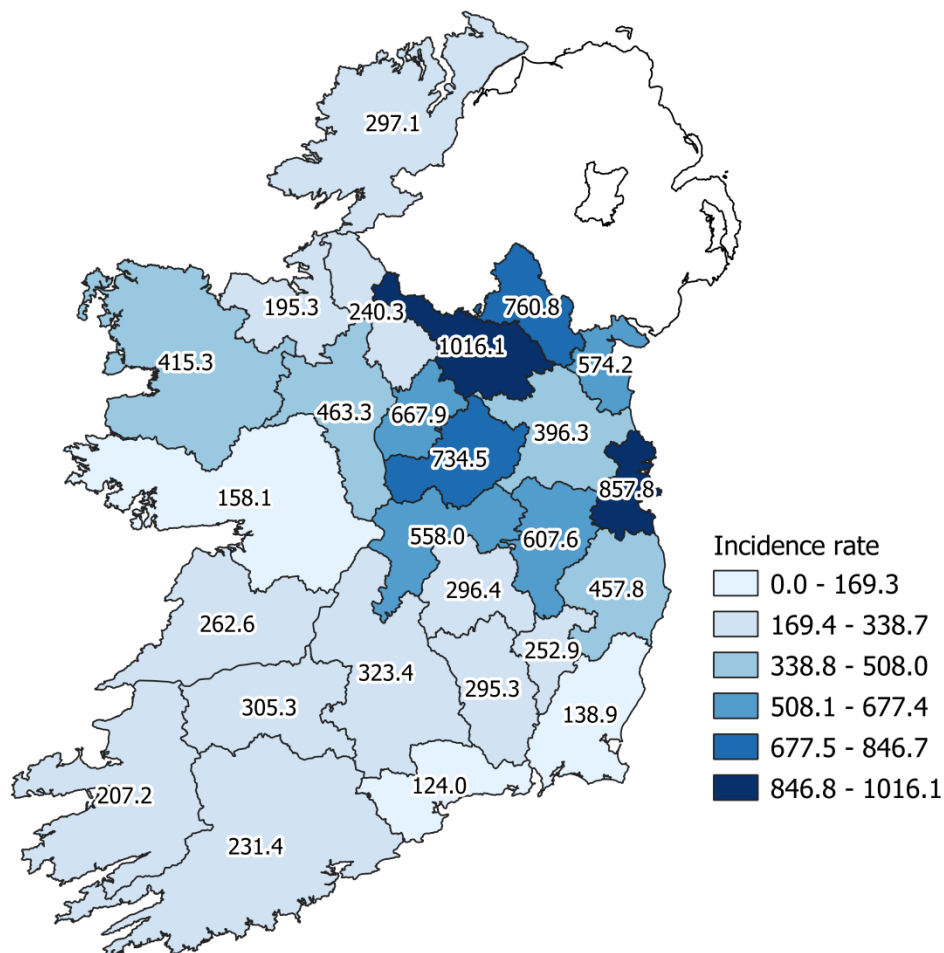


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 13th 2020 by county, Ireland

Please do not directly compare county shades to previous maps. The numbers of cases by county are increasing and as such the categories listed will broaden which may result in changes to the map shading.

Data source: CIDR as of 15/05/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

Note: Data are provisional

Table 3: Number of confirmed cases of COVID-19 notified to midnight May 13th 2020 by county

County Name	Number of cases	%
Carlow	144	0.6
Cavan	774	3.3
Clare	312	1.3
Cork	1256	5.3
Donegal	473	2.0
Dublin	11557	48.9
Galway	408	1.7
Kerry	306	1.3
Kildare	1352	5.7
Kilkenny	293	1.2
Laois	251	1.1
Leitrim	77	0.3
Limerick	595	2.5
Longford	273	1.2
Louth	740	3.1
Mayo	542	2.3
Meath	773	3.3
Monaghan	467	2.0
Offaly	435	1.8
Roscommon	299	1.3
Sligo	128	0.5
Tipperary	516	2.2
Waterford	144	0.6
Westmeath	652	2.8
Wexford	208	0.9
Wicklow	652	2.8
Total	23627	100

Data source: CIDR as of 15/05/2020 9:20

Table 4: Number of confirmed COVID-19 cases notified to midnight May 13th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	2,553	10.8
Possible community transmission	9,115	38.6
Local transmission	6,432	27.2
Possible local transmission	798	3.4
Travel abroad	356	1.5
Possible travel abroad	214	0.9
Unknown	4,159	17.6
Total	23,627	100

*Transmission classification is based on country of infection and enhanced exposure data (international travel; close contact of a case) recorded in CIDR. The World Health Organization's (WHO) Definition of transmission classification is outlined in Appendix 1.

Data source: CIDR as of 15/05/2020 9:20

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Table 5: Number of confirmed cases of COVID-19 notified to midnight May 13th 2020 by age group and hospital, ICU and vital status, Ireland

Age group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)	Number of cases that died (n)	Cases that died (%)
<5	128	18	0.6		0.0		0.0
5 - 14	266	17	0.6	2	0.5		0.0
15-24	1688	68	2.2	5	1.3	2	0.2
25-34	3936	184	6.0	14	3.6	5	0.4
35-44	4105	242	7.9	32	8.3	10	0.8
45-54	4276	409	13.4	80	20.7	23	1.8
55-64	3066	442	14.4	111	28.7	54	4.3
65-74	1703	539	17.6	96	24.8	182	14.4
75-84	2181	698	22.8	40	10.3	435	34.4
85+	2254	443	14.5	7	1.8	553	43.8
Unknown	24	2	0.1		0.0		0.0
Total	23627	3062	100	387	100	1264	100

Data source: CIDR as of 15/05/2020 9:20

Of the 23,627 laboratory confirmed COVID-19 cases, 1,264 have died, giving a case fatality rate of 5.3%. Of the patients who were hospitalised, 12.6% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight May 13th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	95	4097	296	4488
HSE Midlands	12	283	113	408
HSE Mid-West	16	123	199	338
HSE North-East	11	689	290	990
HSE North-West	8	116	126	250
HSE South-East	5	15	264	284
HSE South	22	121	240	383
HSE West	7	83	196	286
Total	176	5527	1724	7427

Data source: CIDR as of 15/05/2020 9:20

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Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 13th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	116	16	12	38	5	15	12	36	250	32
Residential institution	93	11	5	12	2	10	20	4	157	20.1
Private house	5	6	10	9	5	24	65	21	145	18.6
Hospital	52	2	2	12	2		12	5	87	11.1
Workplace	7	5	5	6	1	4	7	2	37	4.7
Comm. Hosp/Long-stay unit	6	4			4	5	8	4	31	4.0
Travel related		3	5	4	2	1	5	2	22	2.8
Extended family	2		5		2	3	3	2	17	2.2
Community outbreak	5	1	1	2			1	3	13	1.7
Other	3		4	1		4	4		16	2
Public house		2	1				1		4	0.5
Hotel							2		2	0.3
Total	289	50	50	84	23	66	140	79	781	100.0

Data source: CIDR as of 15/05/2020 9:20

Acknowledgements

Sincere thanks are extended to all those who participated in the collection and reporting of data used in this report. This includes the notifying clinicians and staff in laboratories and Departments of Public Health.

Report prepared by Epi Team, HPSC

Appendix 1: World Health Organization's (WHO) Definition of transmission classification

WHO definition of transmission classification is specified below:

- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within the reporting location.
- Imported cases only indicate locations where all cases have been acquired outside the location of reporting.

Unknown: Transmission is classified as 'unknown' due to incomplete data on CIDR.